



I AM FULL FRAME POWER









The FX-format difference: sharper, cleaner, more nuanced images — even in difficult light



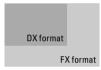
FX-format image sensor with 24.3 effective megapixels: pure imaging potential

The D610 promises to transport your photography and video to completely new heights. Larger image sensors are able to receive more incoming

light, which translates into a significant increase in image quality. The D610 packs an FX-format image sensor measuring 35.9 × 24.0 mm – more than 2x larger than the DX-format equivalent - into a compact D-SLR body. Its 24.3



effective megapixels render pictures with remarkable sharpness, while its beautiful bokeh – another advantage of the FX format - means that they retain a new sense of natural depth, with the subject in sharp focus against a soft foreground and background. And thanks to the characteristics of the FX format, the high



megapixel count doesn't lead to noisy images at high ISO settings, freeing you up to keep shooting even when there is little available light. The D610's image sensor is superior in dynamic range - a vital factor

in landscape photography, when fine gradations and rich details in shadows and highlights can make or break a picture. You can also expect enhanced color depth, crucial for capturing natural, warm skin tones in portrait shooting. Your images will come out beautifully in good light, and they'll be even more stunning when you shoot in challenging, difficult light. See for yourself what the D610's FX-format image sensor does to your images.

Auto white balance with further improved accuracy

You can depend on the D610's auto white balance to get things right. In most common shooting scenarios, both indoors and out, the camera's AWB reproduces colors as we naturally experience them, drastically reducing the time you need to spend on post-production adjustments. Moreover, the D610 allows you to choose between Auto 1 (Normal) which



fully compensates for ambient light color casts or Auto 2 (Keep warm lighting colors) which maintains a warm lighting ambience when you shoot under incandescent light.



A formidable imaging combination: the FX-format image sensor, EXPEED 3 image

processing engine, Picture Control and NIKKOR

Get ready for sharp, clean, richly saturated still and video images that satisfy even the most discerning eyes. The vast potential of the D610's FX-format image sensor can be fully unleashed



when paired with other key imaging components. NIKKOR lenses, renowned for their unrivaled sharpness and accuracy,



faithfully convey light to the sensor with minimum internal reflection, making a fundamental contribution to image quality. Carefully preventing the occurrence of noise, light received by the sensor is converted to digital data which then runs through the 16-bit image-processing pipeline of EXPEED 3;

the same fast, powerful engine used in the flagship D4 and the high-megapixel D800. Moreover, during image processing you can easily achieve your preferred look and feel for your stills

and videos by fine-tuning their parameters using Nikon's original Picture Control System. Imagine this level of operation applied instantaneously to every one of your images, for a complete finish the collective result of a suite of exclusive Nikon technologies.



Clean images from standard ISO 100 to 6400

Shooting in the subtle light of dawn or sunset, in dark interiors or at nighttime is going to be more

rewarding with the D610. Designed to perform well in both bright and extremely low light, the D610 is equipped with standard ISO from 100 to 6400, with reduced occurrence of noise throughout that range. When necessary, it's possible to expand to the equivalent of ISO 50 (Lo 1) or ISO 25600 (Hi 2).

Even if noise starts to emerge at high ISO settings, Nikon's expert noise-reduction technology keeps it to a minimum while maintaining detail and sharpness, in both still images and videos

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Tailor your photography without losing its integrity

PICTURE CONTROL

Picture Control: capture images as you imagine them

The D610's tightly integrated combination of NIKKOR, FX-format image sensor and EXPEED 3 image-processing engine provides you with data-rich FX-format images. But that's only the beginning. With the camera's easy-to-use Picture Control System, you can apply your preferred look and feel to both stills and videos at the press of a button.



STANDARD: Gives balanced images with no inconsistencies in the sharpening, contrast, brightness, saturation or coloration. Before you know it, you'll be taking vibrant shots that linger in the viewer's memory.



NEUTRAL: Delivers images that are closest to the actual original scene. Avoids extreme enhancements, and reproduces the subject's unique colors and gradations with maximum authenticity.



VIVID: Compared with Standard, Vivid bestows a more glamorous overall impression for distinctive, colorful, fresh-looking images. Ideal for situations where you want to make colors with low saturation stand out more.



MONOCHROME: Restricts tonal range with effects such as black-and-white or sepia to create or enhance a particular mood. Filter Effects emulate the results of using a color filter for black-and-white photographs.



PORTRAIT: Using the Neutral setting as its base, Portrait imparts a more natural appearance to skin. Skin tones are more lifelike, projecting a real sense of depth for a clear and authentic finish.



LANDSCAPE: Compared with Vivid, Landscape creates more soothing, relaxed colors. Rich gradations with an eye-catching appeal enhance the vibrancy of landscapes, nature and even city street scenes.

Simply select the look you want and start shooting, for automatic but well-balanced results that best suit your subject matter. To achieve more specific preferences and subtle adjustments, you can customize the settings by fine-tuning parameters. In Standard, Vivid, Portrait and Landscape, quick adjust can be used to move sliders that control sharpening, contrast, brightness, saturation and hue*. It's also possible to save adjustments as Custom Picture Controls under your chosen name for particular shooting scenarios. As a further plus, if you shoot in RAW (NEF) format, Picture Control can be applied after you've taken the shot – from Standard to Monochrome, Monochrome to Portrait – using Nikon ViewNX 2 or Capture NX 2 software. Live view lets you visually confirm how the settings are reflected in your images, both in stills and videos.

*In Neutral, quick adjust is not available but each individual setting (sharpening, contrast, brightness, saturation and hue) can be controlled. In Monochrome, the first three of the parameters in Neutral are complemented by Filter Effects, toning and toning saturation.



Quick adjust display



A dedicated Picture Control button gives you direct access to the menu



Neutral mode effectively reproduces subject details

Subjects in high saturation tend to lose details when the outline and the contrast are intensified. With Neutral mode, however, the details of the subjects can be precisely reproduced.

Nikon's exclusive software: harnessing the full potential of NEF. Nikon's RAW

If you want to take full and detailed control of your images in postproduction, shooting in NEF/Nikon's RAW is hugely rewarding, thanks to the incredible amount of native data that the FX-format image sensor yields. Subtle details in shadows and highlights that may be lost in compressed JPEG files are better preserved in NEF and accordingly, in your final output. Nikon offers two exclusive software applications that draw out the full potential of NEF files. The supplied ViewNX 2 software provides image importing and browsing capabilities, and frequently used image-editing functions. When more comprehensive post-production is required, Capture NX 2 lets you focus on editing using simple yet intuitive Color Control Points that incorporate various powerful functions. However you edit, with NEF you can rest assured that the original image stays rich and intact throughout the process. Nikon's software can fully utilize the camera's data where others cannot, by truly understanding the characteristics of the D610's image sensor as well as the settings of your NIKKOR lenses and Speedlights, meaning that you can expect the best results possible.



ViewNX 2 (bundled)

All-in-one software with a user-friendly interface. ViewNX 2 allows you to browse and edit your pictures and movies, as well as share them using Nikon's image-sharing and storage service, NIKON IMAGE SPACE, and more.



Capture NX 2 (optional)

A powerful tool for more advanced and elaborate photo editing, Capture NX 2 features intuitive Color Control Point technology that drastically simplifies many image enhancement procedures. Now compatible with 64-bit operating systems.

Active D-Lighting: save details in highlights and shadows

Nikon's Active D-Lighting is the best solution when shooting under high-contrast lighting that exceeds the camera's dynamic range, including when movement is inherent in the subject or background of your images. You'll be able to maintain details in the highlights without losing them in the shadows: just choose an intensity that reflects the levels of contrast in your picture.





Lateral chromatic aberration reduction

NIKKOR lens collection.

Nikon's intelligent processing measures significantly reduce the

correction methods that simply eliminate chromatic aberration,

Nikon's method compensates for these color differences in a

resolving index for each color, making it particularly effective in

producing images with stunning edge-to-edge sharpness. And

because these corrections are made regardless of the NIKKOR

lens used, you can get the best images possible out of your entire

risk of lateral chromatic aberration caused by lenses. Unlike other

HDR for high-contrast landscapes

The D610's HDR (High Dynamic Range) feature is a powerful tool for outdoor photographers who often face demanding, high-contrast lighting situations. It shoots two frames in a single shutter release: one brighter and one darker. The camera then automatically combines these to create an image that covers a broader dynamic range, while retaining full saturation and tonality.

Note: Tripod recommended.



Successful HDR image



Darker image

More efficient Auto ISO feature

When shooting with Auto ISO*, the D610 automatically controls your minimum shutter speed based on the focal length of the lens being used. This can be very helpful in reducing camera shake by

raising the ISO to ensure a sufficiently fast shutter speed – particularly advantageous when shooting with a zoom lens in dim light.

*P, S, A and M modes only.

ISO sensitivity settings
ISO sensitivity

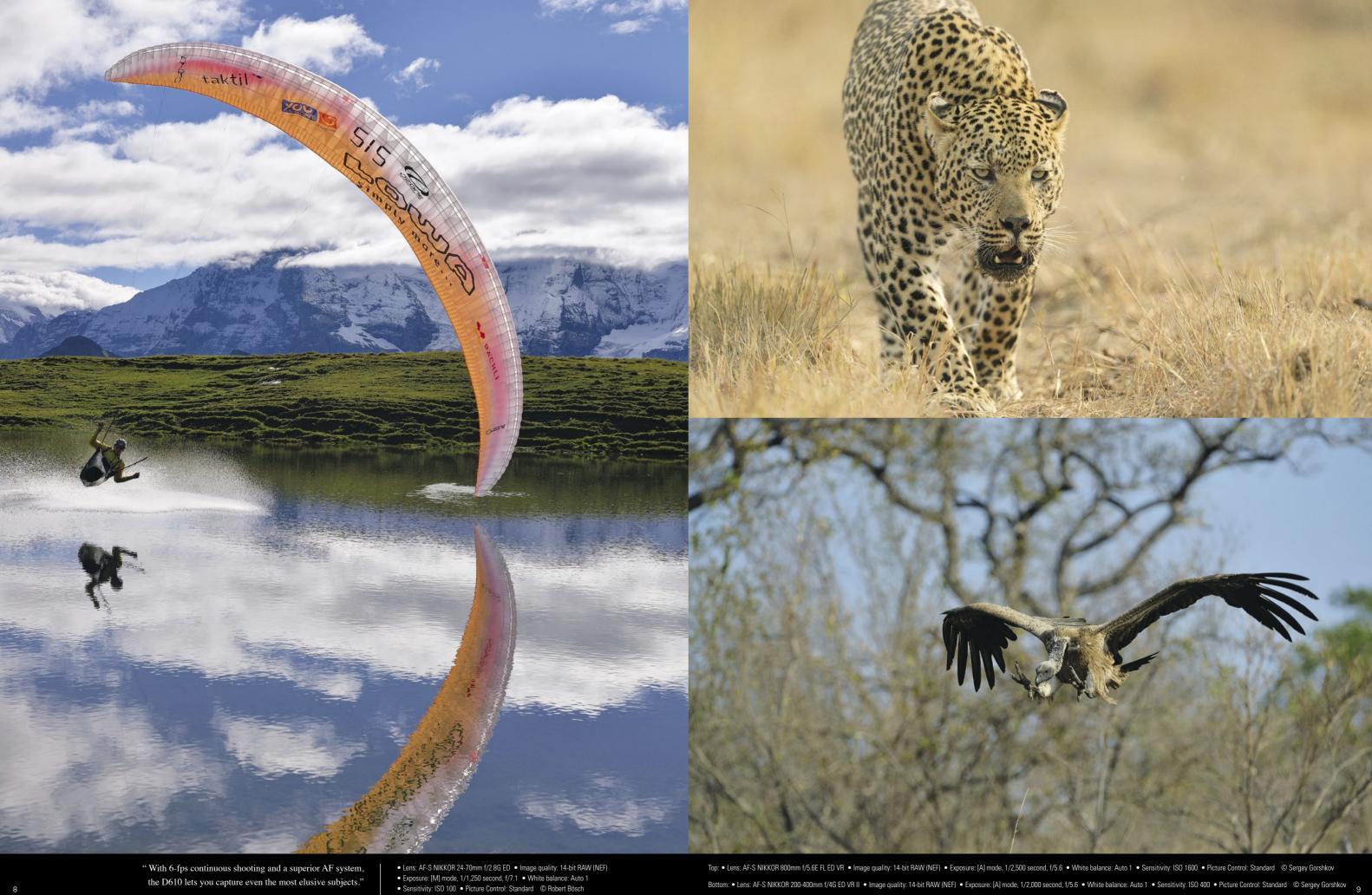
Auto ISO sensitivity control

Maximum sensitivity

6400

Minimum shutter speed

AUTO



"With 6-fps continuous shooting and a superior AF system, the D610 lets you capture even the most elusive subjects."

Innovative fundamentals enhance the versatility of your FX-format photography

Nail the moment in FX format

There's no second chance with fleeting moments. Nikon's engineers have made it even easier to capture that all-important shot, by increasing the D610's consecutive shooting speed, even while handling 24.3-megapixel FX-format images. The camera can now shoot at up to approx. 6 fps*1 for as many as 100 shots*2 continuously. That's thanks to the speed of the EXPEED 3 image-processing engine and an exclusive mechanism that drives the mirror independently. You can expect the same swiftness both in FX and DX formats. These speeds make the camera's Dynamic-area AF more effective at tracking subjects. Whether it's action sports or fast-moving wildlife, the D610 gives you more winning shots per second.

in EX format (max 90 shots)

*2 Only in JPEG mode, excluding Fine/Large in FX format (max. 51 shots) and Normal/Large









Responsive to your reflexes

*Based on CIPA Guidelines.

fps*, is indicated on the mode dial.

Your finger is ready to fire as soon as you turn the camera on, thanks to the strategic placement of the power switch around the shutter-release button. The D610 can start shooting

release mode, which reduces mirror noise while offering up to 3

in approx. 0.13 s*, and release time lag has been shortened to approx. 0.052 s*, close to the approx. 0.042 s* of the flagship Nikon D4. The hand grip is secure so you can get ready for that perfect shot quickly and easily.

Quiet continuous shutter-release mode for

quieter bursts [NEW]

The D610's new Qc (quiet

continuous) shutter-release mode affords

maximum discretion when capturing

cautious, elusive subjects or shooting

quiet scenes such as at concerts, where

shutter sounds are obtrusive. This shutter-

*Based on CIPA Guidelines.



Versatile AF system

Expect remarkable AF performance from the D610's 39 close-packed focus points, which include nine

powerful cross-type sensors for further accuracy and strength in detection. This system offers you a variety of AF-area modes, depending on your subject or scene. Dynamic-area AF is a powerful tool for tracking moving subjects using one priority focus point and the supporting points surrounding it; switch between 9-point, 21-point and 39-point coverage, depending on your subject's size, speed and type of movement. The camera's intelligent 3D-tracking feature gives you more freedom in composition by continuously following moving subjects that stay within your 39 focus points. Try Single-point AF when you need pinpoint focus on stationary subjects such as landscapes or still lifes. The D610 also offers Auto-area AF, which automatically detects subjects such as human faces using all 39 focus points - ideal for candid portraits.



Seven focus points compatible at slow apertures

The D610 gives you the ability to use the center seven focus points to autofocus even with a

maximum effective aperture as slow as f/8. This happens when a teleconverter is required for further reach or for emphasizing

telephoto compression. If you're using a 70-200mm f/4 lens with a 2x teleconverter, for instance, you can achieve 400 mm-equivalent shots. It's a huge advantage for shooting sports, wildlife or in any other super-telephoto scenarios.

Available focus points according to aperture



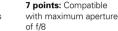
(Perform as cross-type sensors

39 points: Compatible with maximum apertures of f/5 6 and faster



33 points: Compatible with maximum apertures slower than f/5 6 and faster than f/8







AF-S NIKKOR 70-200mm f/4G ED VR + AF-S Teleconverter TC-20E III

With an effective aperture value of f/8, telephoto or super-telephoto AF shooting at 140-400 mm focal length is enabled in FX format (210-600 mm in DX format).















Accurate viewfinder framing made easy

Precisely alian what you see in the viewfinder with what you get in your photograph. The D610's glass prism optical viewfinder offers approx. 100%

coverage, providing an accurate field of view that lets you recognize every element in the frame and achieve the exact composition you envision. The viewfinder image is bright and clear thanks to the large FX-format sensor, as well as a focusing screen that's

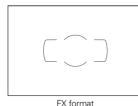
painstakingly designed to make sharp focusing fast and intuitive in both autofocus and manual. The speed of shooting using the viewfinder also gives you an edge when you need to make quick decisions, which can be crucial when taking portraits, candid or action shots.



Image area options

The D610 offers two different image areas for shooting: FX format $(35.9 \times 24.0 \text{ mm})$ and DX format $(23.5 \times 15.7 \text{ mm})$. Shoot DX

format to take advantage of an approx. 1.5x telephoto effect, giving you the extra reach when you need it. Thanks to the D610's large pixel count, you can still enjoy a high image quality of 10.4 megapixels in DX format.



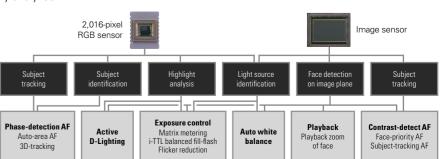
DX format

Nikon's exclusive system yields enhanced accuracy for a wide range of automatic operations

Nikon's Scene Recognition System is a comprehensive approach to increase the accuracy of the camera's automatic operations, such as exposure, focusing and white balance. Before each shutter release, the D610 precisely analyzes the subject and scene, using its large highmegapixel image sensor and 2,016-pixel RGB

sensor for metering. The system interprets not only the subject's and scene's brightness, color or positional information, but also the presence of human figures or faces. The camera swiftly uses this information before exposure, for enhanced accuracy in automatic results. For example, when using the viewfinder, "subject identification" helps Auto-area AF automatically find a person in the

frame, while "subject tracking" information supports 3D-tracking to follow moving subjects with precision. "Light source identification" increases the accuracy of auto white balance, and works in conjunction with "highlight analysis" to help calculate the correct exposure, even in i-TTL flash control. Meanwhile, "face detection on image plane" makes Face-priority AF possible in live view, or movie shooting.



Smooth and reliable, with performance beyond compare



Advanced Wireless Lighting: one Speedlight, countless possibilities

Use lighting magic to take your portrait work to another level. The D610 is designed to work with the Nikon Creative Lighting System, renowned for its unmatched level of accuracy, versatility and portability. The advantages of this partnership are best experienced via Advanced Wireless Lighting. Using the D610's built-in flash as a commander, you can trigger your remote off-camera Speedlights (SB-700 or SB-910) wirelessly with ease, for lighting as creative and comprehensive as your imagination allows. It's a vital ingredient for making stunning portraiture and capturing countless other subjects.





Commander mode menu



One SB-700 was placed in a portable softbox to diffuse light evenly, and wirelessly triggered using the D610's built-in flash.







SB-300 SB-700 SB-910

Note: SB-300 is not compatible with Advanced Wireless



Intelligent power management and long-life battery

An efficient power management design, the highly energy-efficient EXPEED 3 and other features reduce the power consumption of the D610. The camera adopts the EN-EL15 Rechargeable Li-ion Battery, the same as the D800 series and D7100. It is possible to shoot approx. 900 still images* on one battery charge, even with flash fired on every other shot. As power sources, one EN-EL15, EH-5b AC Adapter (with EP-5B Power Connector) and MB-D14 Multi-Power Battery Pack can be used.

*Based on CIPA Standards.



Double SD card slots for reliable data handling

Secure and speedy card reading/recording are crucial to a smooth and productive shooting session, especially when doing critical work. The D610's double SD card slots provide several advanced recording options. You can record RAW and JPEG simultaneously onto separate cards, transfer data from one card to another, or during video shooting select a slot based on remaining capacity. The slots are UHS-I compatible for faster data transfer speeds, and they also support SDXC, the large-capacity standard for SD cards.





Ergonomics for operational comfort

To enable the D610's compact FX-format body to accommodate a larger variety of hand sizes, Nikon designers undertook a thorough review of the camera's right-hand grip. The flattened power switch and adjusted angle of the shutter-release button both contribute to making finger movements more natural and strain-free during prolonged use. The anti-slip rubber placed at the bottom of the camera for the tripod creates an extra grip when shooting vertically. Also, having the mode dial and release mode dial on the same axis gives you quick access to frequently used modes and functions.



Virtual horizon to detect inclination in rolling and pitching directions

The D610's in-camera virtual horizon makes composing your shot much easier. It can detect both rolling (horizontal inclination) and pitching (forward or rear inclination) directions and display these on the LCD monitor, as well as indicating rolling direction in the viewfinder. This function is especially useful when shooting subjects such as still lifes, landscapes and architecture.



Large, innovative LCD monitor

The large 8-cm/3.2-in., approx. 921k-dot LCD monitor offers you bright, crisp image playback. Its antireflective design provides clear, glare-free performance, even under bright conditions. Set your monitor brightness to Auto and when the monitor turns on, the camera will automatically adjust the LCD according to the ambient lighting conditions, allowing easy image confirmation in both brightly and dimly lit



Robust magnesium alloy body and shutter tested to 150,000 cycles

With light, durable magnesium-alloy top and rear frames, the sensitive technology contained within the D610 is protected from accidental impact. Moreover, extensive weather-sealing – even for important terminal covers – provides the same reliable dust- and moisture-proof protection used for the higher-end Nikon D800 series. The D610's shutter unit is tested for 150,000 cycles on fully assembled cameras to prove its durability and precision. While the shutter unit is

designed for speeds between 1/4,000 of a second up to 30 s, its intelligent, self-diagnostic shutter monitor automatically monitors actual shutter speeds in order to correct possible variances that can occur over time. Moreover, having separate driving units for shutter, mirror and aperture contributes to the achievement of continuous bursts as fast as 6 fps. Now you can shoot with confidence, even under demanding environmental conditions.



Full HD D-Movie with quality sound recording



Full HD quality utilizing 24.3 effective megapixels

The D610 supports Full HD 1,920 \times 1,080; 30p. The EXPEED 3 optimally processes the high-pixel-count data of approx. 24.3 megapixels to deliver high-resolution movies with reduced jaggies and moiré. Noise reduction optimized for movie recording reduces noise effectively while maintaining definition. Smooth gradation with minimal block noise caused by compression – and reduced random noise at high ISO settings are both realized. The file size is compressed using the H.264/MPEG-4 AVC format, allowing a maximum recording time of approx. 29 min. 59 s*. You can also select 1,280 × 720; 60p, suitable for capturing fast-moving action. The movie-record button is located next to the shutter-release button, enabling you to start and stop movie recording as easily as when shooting still images, minimizing the image blur caused by camera shake.

*Maximum recording time varies according to frame rate, frame size and image quality settings. Maximum recording time for time-lapse photography is 20 min

Frame size	Frame rate	Frame size	Frame rate
1,920 × 1,080	30p (29.97 fps)	1,280 × 720	60p (59.94 fps)
			50p (50 fps)
	25p (25 fps)		30p (29.97 fps)
	24p (23.976 fps)		25p (25 fps)

Note: Options support both high and normal image quality.

Sound control options for consistent movie quality

The D610 employs a headphone connector for monitoring audio with optional stereo headphones. The sound level indicators on the LCD monitor offer visual confirmation of the audio levels during live view. The headphone volume level can be finely adjusted in 30 steps, while the microphone sensitivity can be controlled precisely in 20 incremental steps. An optional compact ME-1 Stereo Microphone allows the recording of high-quality sound with significantly reduced mechanical noise.

Note: Microphone sensitivity and headphone volume cannot be changed during movie recording.

headphones and viewing sound level



Connectors for stereo headphones (left)



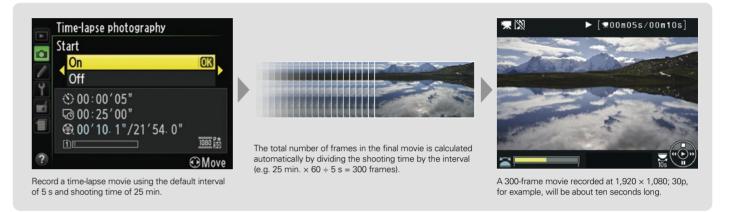
indicators, microphone sensitivity is still

Stunning time-lapse photography made simple

Time-lapse photography is a unique technique, different from stills and movies, that lets you shoot automatically at designated intervals and save the series of stills as a movie, to replay slowmoving activity at high speed. Creating a time-lapse photography piece formerly required elaborate calculations and editing. Now, you can simply set the shooting interval and time on the menu

display to generate a movie within the camera, from 24 to 36,000 times faster than regular playback. You'll be able to record a dramatic sequence of natural phenomena such as the flow of clouds, movement of stars and blooming of flowers, or cars and people coming and going in a city scene.

Note: Movie files of time-lapse photography will be saved in 16:9 aspect ratio.



Simultaneous display of movie and movie live view output on external monitors via HDMI

The D610 is fitted with an HDMI mini-pin connector that allows for simultaneous

display on an LCD monitor and an external monitor. In movie live view, it is possible to output in the same resolution as the recording dimensions of the movie (max. 1,920 × 1,080*). In movie recording or movie live view, you can opt for the setting information that appears on the LCD not to display on the equipment connected via HDMI. This is convenient for viewing the entire frame, when the image captured with a camera needs to be checked in real time on a larger external monitor. Moreover, it is possible to record uncompressed movie live view data directly to an external device before recording it to an SD memory card, meeting the demands of professionals who need uncompressed high-quality movie footage to edit on connected equipment. If the camera is connected to an HDMI-CEC compatible TV, remote playback operation of the camera using the TV remote control is also possible.

*When recording a movie through an HDMI interface, the output image may be smaller than the value set with the "image size/frame rate"



External monitor in the image above is produced by another manufacturer

Multi-area mode Full HD D-Movie

The D610's movie function offers two image areas, selectable according to your creative intent. The FX-based format* renders exquisitely shallow depth of field with beautiful bokeh effects. taking advantage of the large image sensor. In the DX-based format, it's possible to get close enough to the subject with a short-focal-length lens because of the smaller image area. Having two image areas in one camera – and an arsenal of NIKKOR lenses including DX lenses – gives you much more room for creative

*The aspect ratio of movies is 16:9 whichever format is selected.

Live view controls: check your images at high magnifications

The D610 comes with independent live view controls that have been designed specifically for both stills and movie shooting. Its approx. 19x magnifying capability offers you accurate focus during shooting. For still photography, live view is capable of fast contrastdetect AF, operating at the same speed as the D4 and D800 series. When shooting movies, the camera's specialized exposure controls enable smooth exposure transitions for moving subjects. After shooting, you can also display your images with up to approx. 38x magnification*, to allow you to make certain that you've achieved the finish that your imagination demands.



On-screen during shooting (is magnified 19x)



On-screen playback (is magnified 38x)



*Only for still-image playback (when Large size is selected, and in FX format)

NIKKOR: The key to unleashing the D610's true potential

As the image sensor's resolution increases, the optical quality of the lens being used becomes all the more important. As an optical manufacturer, Nikon and its designers enforce the strictest engineering standards for every lens-making criterion, such as sharpness, colors, tonality and even nuances of bokeh. The latest FX-NIKKOR lenses will reveal the full potential of the D610's

high-resolution capability. Most combinations of the camera and lenses are remarkably lightweight and compact, making handheld shooting easier. From fast primes to versatile zooms – all carefully optimized for digital imaging, and some of them remarkably compact - NIKKOR takes your creativity further by delivering the best images possible.





AF-S NIKKOR 28mm f/1.8G

A fast wide-angle lens producing beautiful bokeh across wide expanses, with reduced image distortion, especially in the peripheral area. The Nano Crystal Coat helps achieve clear images with reduced flare and ghost. An ideal choice for landscapes and interiors.



AF-S Micro NIKKOR 60mm f/2.8G ED

A compact and versatile micro lens with Nano Crystal Coat. Handles close-up subjects with stunning sharpness and delivers pleasant bokeh. It's also great for portraits and still lifes.



AF-S NIKKOR 28-300mm f/3.5-5.6G ED VR

A versatile, high-powered 11x zoom lens with VR enhancement of up to 3.5 stops*. Delivers outstanding image integrity throughout the broad zoom range. Ideal for travel photography.



AF-S NIKKOR 50mm f/1.8G

A compact, lightweight standard prime lens, with aspherical elements to correct aberration, yielding stunning sharpness and bokeh. This lens handles low-light situations especially well. Lends itself to virtually any subject matter - from portraits and still lifes to landscapes.



AF-S NIKKOR 85mm f/1.8G

A fast mid-range prime lens, delivering crisply sharp images from a surprisingly light and compact body. Take advantage of the impressive bokeh for creative portrait



still lifes.

AF-S NIKKOR 24-85mm f/3.5-4.5G ED VR

AF-S NIKKOR 58mm f/1.4 G [NEW]

A compact prime lens, delivering high

resolution, beautiful bokeh and natural

depth. Point light sources located at infinity

can be finely reproduced as point images. The most suitable lens for portraits and

A compact and versatile lens that covers the most frequently used zoom range. The Vibration Reduction (VR) enhancement of up to 4.0 stops* improves your handheld capability, opening up a wide range of subject matter – from portraits and still lifes



AF-S NIKKOR 70-200mm f/4G ED VR

A telephoto zoom with impressive VR support up to 4.0 stops*, offering increased handheld shooting opportunities. The 1.0 m minimum focus distance produces beautiful bokeh, while the Nano Crystal Coat minimizes flare and ghost.



AF-S NIKKOR 80-400mm f/4.5-5.6G ED VR

An agile 5x super-telephoto zoom lens with VR enhancement of up to 4.0 stops*. Boasts superior optical performance thanks to its one Super ED and four ED glass elements, and Nano Crystal Coat. Offers unparalleled image quality, especially for sports, wildlife and travel.

*Based on CIPA Standard. Achieved when attached to an FX-format digital SLR camera, with zoom set at the maximum telephoto position.



DX image area is indicated visually in the viewfinder.

Attach your DX lenses for further agility

Thanks to Nikon's consistent F-mount design, the D610 is also compatible with the DX lenses you may already own. The relative compactness of DX lenses helps keep the camera's total weight and size down - a definite advantage when you have to shoot spontaneously or travel light. The camera recognizes DX lenses automatically to set the required crop, and still offers you approx. 10-megapixel quality images.



- Lens: AF-S NIKKOR 80-400mm f/4.5-5.6G ED VR + AF-S Teleconverter TC-14E II Image quality: 12-bit RAW (NEF) Exposure: [A] mode, 1/125 second, f/8 White balance: Color Temp. (5,000 K) Sensitivity: ISO 1600



• Lens: AF-S NIKKOR 85mm f/1.8G • Image quality: 14-bit RAW (NEF) • Exposure: [M] mode, 1/125 second, f/4 • White balance: Color Temp. (5,000 K) • Sensitivity: ISO 100 • Picture Control: Standard © Hideki Kono

Expand your range and capabilities with exclusive Nikon accessories



Mobile Adapte



Wireless Mobile



Controller (Transceiver)



WR-T10 Wireless Remote Controller (Transmitter



Multi-Power Battery Pack



GP-1A GPS Unit



WU-1b Wireless Mobile Adapter (optional) for remote shooting and transmission of images to a smart

By attaching the optional WU-1b Wireless Mobile Adapter to the D610's USB connector, two-way communication is possible between the camera and a smart device, such as a smartphone or tablet computer with built-in wireless communication. This allows you to release the shutter from a distance, or use the monitor display of the smart device as a live view display and shoot from the best angle. The images taken can then be wirelessly transmitted to smart devices and uploaded to an SNS or attached to an email. The WU-1b is compatible with smart devices using Android™ OS and iOS.

Note: Requires installing the Wireless Mobile Utility to the smart device prior to use.

Wireless Mobile Utility

Nikon's Wireless Mobile Utility software enables images to be downloaded from a camera to a smart device, or for a smart device to be used to trigger the camera, by attaching the WU-1b Wireless Mobile Adapter. The WU-1b is compatible with smart devices using the Android™ OS and iOS.

Note: Available as a free download from app stores.

Wireless Remote Controllers (optional) employing radio transmission for even greater convenience

Utilizing the 2.4-GHz radio frequency band, the optional WR-1 and WR-R10WR-T10 Wireless Remote Controllers hugely expand the flexibility of remote control operation. Unlike similar devices that use infrared rays, they enable remote control over long distances, and can be used to release shutters even if obstacles such as trees stand in the way. Autofocusing and continuous shooting are also possible. Thanks to their ability to control multiple cameras, these controllers can be employed for a variety of shooting scenarios: you can shoot stills or movies simultaneously using several cameras with different lenses attached or cameras positioned at different angles; if you divide cameras into groups and assign a channel to each, you can control each group independently and perform such operations as shooting stills with one group and recording movies immediately after with a different group.

Note: Movie recording is possible with the D4, D800 series, D610, D600, D7100, D5300, D5200, COOLPIX A and COOLPIX P7700,

MB-D14 Multi-Power Battery Pack (optional) for comfortable vertical shooting

The optional MB-D14 Multi-Power Battery Pack supports two types of batteries (one EN-EL15 Rechargeable Li-ion Battery and six R6/AA-size alkaline, Ni-MH or lithium batteries) and the EH-5b AC Adapter (with EP-5B Power Connector). It's possible to switch seamlessly between the battery of the D610 and the MB-D14 when one EN-EL15 is loaded in each of them, enabling the user to shoot approx, twice as many images as with the D610 alone. The MB-D14 Multi-Power Battery Pack incorporates buttons and dials for vertical shooting, offering you a comfortable hold that's especially helpful for portrait work. Magnesium alloy is used for the body of the battery pack.

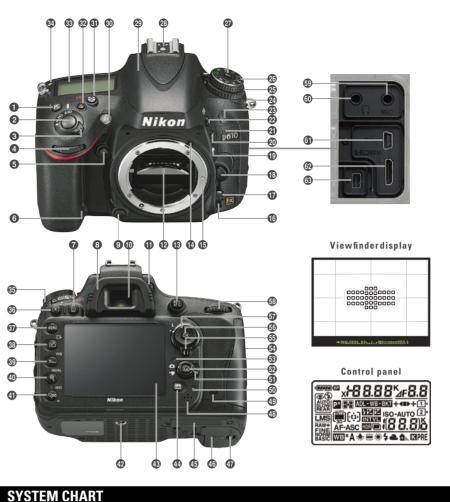
GP-1A GPS Unit (optional) for storing location information

Store location data such as latitude, longitude, altitude and UTC (Universal Coordinated Time) as Exif data on images taken by the D610, using the optional GP-1A GPS Unit. Images with location data can be displayed on the GeoTag workspace of ViewNX 2. The information can also be used on Nikon's imagesharing and storage service, NIKON IMAGE SPACE, as well as other commercially available online imagesharing services or digital mapping software.

NIKON IMAGE SPACE "NIKON IMAGE SPACE" is a free online image-sharing and storage service. With a quick, convenient user interface and simple operation flow, you can upload/download, browse, organize and share pictures and movies, as well as coordinate with SNS. A "Basic account," with a maximum of 2 GB storage space, is available to all registered users. An additional "Special account," which can be used by Nikon digital camera owners, offers storage space up to 20 GB and various useful functions such as password protection. An app for smartphones is also available.

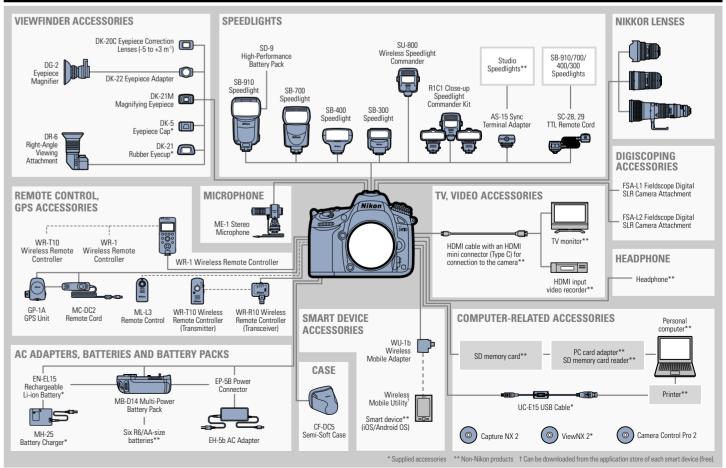
http://nikonimagespace.com

PARTS AND CONTROLS



- Exposure compensation button/Two-button reset hutton
 - Shutter-release buttor
 - O Powerswitch
- 4 Sub-command dial
- 6 Depth-of-field preview button 6 Powerconnectorcover
- Delete button/Formatting nemory cards button
- 8 Rubbereyecup 9 Fn (function) butto
- Viewfinder eveniece
- Diopteradjustment control
- Mirror
- AE/AF lock button
- Meter coupling lever
- (A) Lens mount
- Focus-mode selector AF-mode hutton
- Lens release button
- 1 Lens mounting mark
- Bracketing button
- Built-in microphone
- Flash mode button/Flash
- Infrared receiver (front)
- Evelet for camera strap
- Release mode dial Mode dial
- Mode dial lock release
- Accessory shoe
- Built-in flash AF-assistilluminator/ Self-timer lamn/Red-eve
- reduction lamp Metering button/Formatting
- Movie-record button
- Focal plane mark

- 3 Release mode dial lock
- Playback button
 - Menu button
- Retouch button/Picture
- 49 Help button/Protect button/ White halance button Playback zoom-in button/
- Image quality/size buttor
- Playback zoom-out / umhnails hutton ISO sensitivity button/ Two-button reset button
- Tripod socket
- Monitor
- 4 Info button 45 Contact cover for optional
- MB-D14 battery pack Battery-chamber cover
- Battery-chamber cover latch
- Speaker
- Infrared receiver (rear) 60 Memory card access lamp
- A Live view selector Live view button
- Ambient brightness sensor Memory card slot cover
- 6 Focus selector lock
- ⊕ OK hutton
- Multiselector
- Main command dia 69 Connector for external
- Meadphone connector
- USB connector
 USB
- memory cards button
- Control panel
- 69 HDMI mini-pin connector Accessory terminal



Nikon Digital SLR Camera D610 Specifications

Nikon Digital	SLR Camera D610 Specifications
Type of camera	Single-lens reflex digital camera
Lens mount	Nikon F-mount (with AF coupling and AF contacts)
Effective pixels	24.3 million
Image sensor	35.9 × 24.0 mm CMOS sensor (Nikon FX format)
Total pixels Dust-reduction system	24.7 million Image sensor cleaning, Image Dust Off reference data (optional Capture NX 2 software
Dust-reduction system	required)
Image size (pixels)	• FX format (36×24): 6,016 × 4,016 (L), 4,512 × 3,008 (M), 3,008 × 2,008 (S) • DX format
	(24×16): $3,936 \times 2,624$ (L), $2,944 \times 1,968$ (M), $1,968 \times 1,312$ (S) • FX-format photographs
	taken in movie live view: 6,016 × 3,376 (L), 4,512 × 2,528 (M), 3,008 × 1,688 (S) • DX-format
File format	photographs taken in movie live view: 3,936 × 2,224 (L), 2,944 × 1,664 (M), 1,968 × 1,112 (S) • NEF (RAW): 12 or 14 bit, lossless compressed or compressed • JPEG: JPEG-Baseline
THE TOTHIAL	compliant with fine (approx. 1:4), normal (approx. 1:8) or basic (approx. 1:16) compression
	(Size priority); Optimal quality compression available • NEF (RAW)+JPEG: Single photograph
	recorded in both NEF (RAW) and JPEG formats
Picture Control System	$Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; selected Picture Control \ can be$
0. "	modified; storage for custom Picture Controls
Storage media Double card slots	SD (Secure Digital) and UHS-I compliant SDHC and SDXC memory cards
Double card slots	Slot 2 can be used for overflow or backup storage or for separate storage of copies created using NEF+JPEG; pictures can be copied between cards
File system	DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif
1110 0 10 10 111	(Exchangeable Image File Format for Digital Still Cameras) 2.3, PictBridge
Viewfinder	Eye-level pentaprism single-lens reflex viewfinder
Frame coverage	• FX (36×24): Approx. 100% horizontal and 100% vertical • DX (24×16): Approx. 97%
	horizontal and 97% vertical
Magnification	Approx. 0.7× (50 mm f/1.4 lens at infinity, -1.0 m ⁻¹)
Eyepoint Diaptor adjustment	21 mm (-1.0 m ⁻¹ ; from center surface of viewfinder eyepiece lens)
Diopter adjustment Focusing screen	-3 to +1 m ⁻¹ Type B BriteView Clear Matte Mark VIII screen with AF area brackets (framing grid can be
Tocusing screen	displayed)
Reflex mirror	Quick return
Depth-of-field preview	Pressing depth-of-field preview button stops lens aperture down to value selected by user (A
	and M modes) or by camera (other modes)
Lens aperture	Instant return, electronically controlled
Compatible lenses	Compatible with AF NIKKOR lenses, including type G, E and D lenses (some restrictions
	apply to PC lenses), DX lenses [using DX (24×16) image area], Al-P NIKKOR lenses, and
	non-CPU Al lenses (A and M modes only); IX-NIKKOR lenses, lenses for the F3AF, and non- Al lenses cannot be used; the electronic rangefinder can be used with lenses that have a
	maximum aperture of f/5.6 or faster (the electronic rangefinder supports the center 7 focus
	points with lenses that have a maximum aperture of f/8 or faster and the center 33 focus
	points with lenses that have a maximum aperture of f/6.8 or faster)
Shutter type	Electronically controlled vertical-travel focal-plane shutter
Shutter speed	1/4,000 to 30 s in steps of 1/3 or 1/2 EV, bulb, time (requires optional ML-L3 Remote
	Control), X200
Flash sync speed	X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds
	between 1/200 and 1/250 s)
Release modes	S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release),
Frame advance rate	Qc (quiet continuous shutter-release), ♦ (self-timer), □ (remote control), MUP (mirror up) Approx. 1 to 5 fps (Ct), approx. 6 fps (Ct) or 3 fps (Qc)
Self-timer	2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2 or 3 s
Remote release modes	Delayed remote, quick-response remote, remote mirror-up
Exposure metering	TTL exposure metering using 2,016-pixel RGB sensor
Metering method	Matrix: 3D color matrix metering II (type G, E and D lenses); color matrix metering II (other)
	CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data
	• Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle
	can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non- CPU lenses use 12-mm circle or average of entire frame) • Spot: Meters 4-mm circle (about 1.5%
	of frame) centered on selected focus point (on center focus point when non-CPU lens is used)
Metering range	Matrix or center-weighted metering: 0 to 20 EV
(ISO 100, f/1.4 lens, 20°C/68°F)	Spot metering: 2 to 20 EV
Exposure meter coupling	
Exposure modes	Auto (🖀 auto; 🏵 auto [flash off]), scene (🛣 portrait, 🝙 landscape, 🕸 child, 🕏 sports, 🖏 close
	up, ☑ night portrait, ☑ night landscape, ※ party/indoor, 🏚 beach/snow, 🋎 sunset, 🛎 dusk/
	dawn, ♥ pet portrait, ② candlelight, ③ blossom, ⑤ autumn colors, ¶ food, 益 silhouette, high
	key, Mowkey), programmed auto with flexible program (P), shutter-priority auto (S), aperture-priority auto (Λ), manual (M), 111 (user settings 1), 112 (user settings 2)
Exposure compensation	priority auto (A), manual (M), U1 (user settings 1), U2 (user settings 2) Can be adjusted by -5 to +5 EV in increments of 1/3 or 1/2 EV in P, S, A and M modes
Exposure bracketing	2 to 3 frames in steps of 1/3, 1/2, 2/3, 1, 2 or 3 EV
Exposure lock	Luminosity locked at detected value with AE-L/AF-L button
ISO sensitivity	ISO 100 to 6400 in steps of 1/3 or 1/2 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (ISO
(Recommended Exposure Index)	50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent)
And a Dillater	above ISO 6400; auto ISO sensitivity control available
Active D-Lighting	Auto, Extra high, High, Normal, Low, Off
ADI brooket:	
ADL bracketing	2 frames using selected value for one frame or 3 frames using preset values for all frames Nikon Multi CAM 4900 autofocus coppor modulo with TTI phase detection, fine tuning 39
ADL bracketing Autofocus	Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 39
	Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 39 focus points (including 9 cross-type sensors; the center 33 points are available at apertures
	Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 39 focus points (including 9 cross-type sensors; the center 33 points are available at apertures slower than $f/5.6$ and faster than $f/8$, while the center 7 points are available at $f/8$), and AF-
	Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 39 focus points (including 9 cross-type sensors; the center 33 points are available at apertures slower than $1/5$.6 and faster than $1/8$, while the center 7 points are available at $1/8$, and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) -1 to $+19$ EV (ISO 100, 20° C/68°F)
Autofocus	Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 39 focus points (including 9 cross-type sensors; the center 33 points are available at apertures slower than f/5.6 and faster than f/8, while the center 7 points are available at f/8l, and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) -1 to +19 EV (ISO 100, 20°C/68°F) • Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); auto AF-S/AF-C
Autofocus Detection range	Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, 39 focus points (including 9 cross-type sensors; the center 33 points are available at apertures slower than $1/5$.6 and faster than $1/8$, while the center 7 points are available at $1/8$, and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) -1 to $+19$ EV (ISO 100, 20° C/68°F)

Facus asiat	Can be calcated from 20 or 11 fears points	
Focus point AF-area modes	Can be selected from 39 or 11 focus points Single-point AF, 9-, 21- or 39-point dynamic-area AF, 3D-tracking, auto-area AF	
Focus lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by	
OCUS IOCK	pressing AE-L/AF-L button	
Built-in flash	響, 耄, ♣, ♥, ◘, ※, ♥: Auto flash with auto pop-up	
	P, S, A, M, ¶: Manual pop-up with button release	
Guide number	Approx. 12/39, 12/39 with manual flash (m/ft, ISO 100, 20°C/68°F)	
Flash control	TTL: FTTL flash control using 2,016-pixel RGB sensor is available with built-in flash and SB-910, SB-900, SB-800, SB-700, SB-600, SB-400 or SB-300; i-TTL balanced fill-flash for digital SLR is used with matrix and center-weighted metering, standard i-TTL flash for digital SLR is used with matrix and center-weighted metering, standard i-TTL flash for digital schools are supported by the standard in the support of the suppor	
	SLR with spot metering	
Flash modes	Auto, auto with red-eye reduction, auto slow sync, auto slow sync with red-eye reduction, fill-flash, red-eye reduction, slow sync, slow sync with red-eye reduction, rear-curtain with	
	slow sync, rear-curtain sync, off; auto FP high-speed sync supported	
Flash compensation	-3 to +1 EV in increments of 1/3 or 1/2 EV	
Flash bracketing	2 to 3 frames in steps of 1/3, 1/2, 2/3, 1, 2 or 3 EV	
Flash-ready indicator	Lights when built-in flash or optional flash unit is fully charged; flashes after flash is fired at full output	
Accessory shoe	ISO 518 hot-shoe with sync and data contacts and safety lock	
Nikon Creative	Advanced Wireless Lighting supported with built-in flash, SB-910, SB-900, SB-800 or	
Lighting System (CLS)	SB-700 as a master flash and SB-600 or SB-R200 as remotes, or SU-800 as commander; built-in flash can serve as master flash in commander mode; auto FP high-speed sync and	
	modeling illumination supported with all CLS-compatible flash units except SB-400; Flash	
Cupa tarminal	Color Information Communication and FV lock supported with all CLS-compatible flash units	
Sync terminal	AS-15 Sync Terminal Adapter (available separately)	
White balance	Auto (2 types), incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual (up to 4 values can be stored), choose color temperature (2,500 K to 10,000 K); all with	
White balance bracketing	fine-tuning	
Live view modes	2 to 3 frames in steps of 1, 2 or 3	
Live view lens servo	Live view photography (still images), movie live view (movies) • Autofocus (AF): Single-servo AF (AF-S); full-time servo AF (AF-F) • Manual focus (M)	
AF-area modes	Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF	
Autofocus	Contrast-detect AF anywhere in frame (camera selects focus point automatically when	
	face-priority AF or subject-tracking AF is selected)	
Movie metering	TTL exposure metering using main image sensor	
Movie metering method	Matrix	
Frame size (pixels)	• 1,920 × 1,080; 30p (progressive), 25p, 24p • 1,280 × 720; 60p, 50p, 30p, 25p	
and frame rate	Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both ★ high and normal image quality	
File format	MOV	
Video compression	H.264/MPEG-4 Advanced Video Coding	
Audio recording format	Linear PCM	
Audio recording device Maximum length	Built-in monaural or external stereo microphone; sensitivity adjustable Approx. 29 min. 59 s (20 min. depending on frame size/rate and movie quality settings)	
Other movie options	Index marking, time-lapse photography	
Monitor	8-cm (3.2-in.), approx. 921k-dot (VGA), low-temperature polysilicon TFT LCD with approx.	
····oiiitoi	170° viewing angle, approx. 100% frame coverage, and automatic monitor brightness control using ambient brightness sensor	
Playback	Full-frame and thumbnail (4, 9, 72 images or calendar) playback with playback zoom, movie	
,	playback, photo and/or movie slide shows, histogram display, highlights, photo information,	
	GPS data display and auto image rotation	
USB	Hi-Speed USB	
HDMI output	Type C mini-pin HDMI connector	
Accessory terminal	Remote cord: MC-DC2 (available separately), GPS unit: GP-1/GP-1A (available separately) Stereo mini-pin jack (3.5-mm diameter; pluq-in power supported)	
Audio input Audio output	Stereo mini-pin jack (3.5-mm diameter, prug-m power supported) Stereo mini-pin jack (3.5-mm diameter)	
Supported languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French,	
oupported languages	German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian,	
	Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian	
Battery	One EN-EL15 Rechargeable Li-ion Battery	
Battery pack	Optional MB-D14 Multi-Power Battery Pack with one EN-EL15 Rechargeable Li-ion Battery or six AA alkaline, Ni-MH, or lithium batteries	
AC adapter	EH-5b AC Adapter; requires EP-5B Power Connector (available separately)	
Tripod socket	1/4 in. (ISO 1222)	
Dimensions (W × H × D)	Approx. 141 × 113 × 82 mm/ 5.6 × 4.4 × 3.2 in.	
Weight	Approx. 850 g/1 lb 14.0 oz with battery and memory card but without body cap; approx. 760 g/1 lb 10.8 oz (camera body only)	
Operating environment	Temperature: 0 to 40°C/32 to 104°F; humidity: 85% or less (no condensation)	
Supplied accessories	EN-EL15 Rechargeable Li-ion Battery, MH-25 Battery Charger, DK-5 Eyepiece Cap, DK-21	
(may differ by country or area)	Rubber Eyecup, UC-E15 USB Cable, AN-DC10 Camera Strap, BM-14 LCD Monitor Cover, BF-1B Body Cap, BS-1 Accessory Shoe Cover, ViewNX 2 CD-ROM	

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 Images in viewfinders, on LCDs and monitors shown in this brochure are simulated.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. January 2014

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WARNING

TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.

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